

ENROLL US!

We Want to Be a Member in EPA's Voluntary National Waste Minimization Partnership Program



GENERAL INFORMATION

Company Name: U.S. Steel Corporation

Facility Name: Mon Valley Works

Principal Contact: Thomas J. O'Toole, P.E.

Facility Location: City: Dravosburg

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Title: Manager, Environmental Control

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PARTNER AGREEMENT

Our organization/company is choosing to become a partner in EPA's National Waste Minimization Partnership Program. Our goal is to reduce the quantity of one or more Waste Minimization Priority Chemicals currently found in our hazardous and/or nonhazardous wastes using source reduction and/or recycling practices, in lieu of waste treatment or land disposal practices. In this enrollment application, we identify one or more voluntary waste minimization goals that we believe we can achieve as Partners in this Program. The voluntary goals provided below are initial estimates, and may change over time. We may revise our goals or withdraw from the program at any time. If/when choose to revise our goals or withdraw from the program, we will notify EPA.

GOAL #1: Chemical Name: Lead (as lead dross)

CASRN: 7439-92-1

Narrative description of proposed project (and the mechanism you will use to measure success): By carefully controlling the quantity of flux added to the process, the amount of lead dross generated can be significantly reduced. In addition, drossing procedures may also be changed. Success will be determined by measuring the amount of lead dross disposed.

- Our voluntary source reduction goal for Chemical #1 is to reduce the amount of this chemical generated in hazardous waste from a baseline amount of: 242,500 lbs in 2002, to a reduced amount of 155,000 lbs by 2003
(x pounds generated/year) (month/year) (x pounds generated/ year) (month/year)
- To accomplish this goal, we will explore the following source reduction options: (Check all that apply)

<input checked="" type="checkbox"/> Equipment or technology modifications	<input checked="" type="checkbox"/> Process or procedure modifications
<input type="checkbox"/> Reformulation or redesign of products	<input type="checkbox"/> Substitution of less toxic raw materials
<input type="checkbox"/> Improvements in inventory control	<input type="checkbox"/> Improvements in maintenance/housekeeping practices
<input type="checkbox"/> Other (explain): _____	
- Our (optional) voluntary recycling goal for Chemical #1 is to increase the amount of waste Chemical #1 recycled from a baseline amount of _____ in _____, to an increased recycled quantity of _____ by _____.
(x lbs/year) (month/year) (x lbs/year) (month/year)
- To accomplish this recycling goal, we will explore: (check all that apply)

<input type="checkbox"/> Direct use/reuse in a process to make a product	<input type="checkbox"/> Process the waste to recover or regenerate a usable product
<input type="checkbox"/> Use/reuse as a substitute for a commercial product	<input type="checkbox"/> Other (explain): _____

Authorizing Official: Thomas J. O'Toole, P.E. Manager, Environmental Control **Date:** July 10, 2003

Project Contact (if different from Company Official): _____ **Phone:** _____

NOTE: Use supplemental sheets to set additional goals.

SUPPLEMENTAL GOAL SHEET: WASTE MINIMIZATION VOLUNTARY PARTNERSHIP PROGRAM**GOAL # 2 : Chemical Name: Chromic Acid (In Solution) CASRN: 7738-94-5**

Narrative description of proposed project (and the method you will use to measure success): An automatic titration system will be installed to properly control the pH of the chromic acid coating solution. By properly controlling the pH, the coating solution will "etch" less zinc from the galvanized steel strip thereby extending solution life and reducing the amount of chromic solution that must be disposed. Success will be measured by tracking the amount of chromic acid disposed.

1. Our voluntary source reduction goal for Chemical # 2 is to reduce the amount of this chemical generated in hazardous waste from a baseline amount of: 18,000 in December, 2002 , to a reduced amount of 6,500 lbs , by December, 2003 .
(x pounds generated/yr) (month/year) (x pounds generated/ yr) (month/year)
2. To accomplish this goal, we will explore the following source reduction options: (Check all that apply)

<input checked="" type="checkbox"/> Equipment or technology modifications	<input checked="" type="checkbox"/> Process or procedure modifications
<input type="checkbox"/> Reformulation or redesign of products	<input type="checkbox"/> Substitution of less toxic raw materials
<input type="checkbox"/> Improvements in inventory control	<input type="checkbox"/> Improvements in maintenance/housekeeping practices
<input type="checkbox"/> Other (explain): _____	
3. Our (optional) voluntary recycling goal for Chemical #1 is to increase the amount of waste Chemical #1 recycled from a baseline amount of _____ in _____ , to an increased recycled quantity of _____ by _____ .
(x lbs/year) (month/year) (x lbs/year) (month/year)
4. To accomplish this recycling goal, we will explore: (check all that apply)

<input type="checkbox"/> Direct use/reuse in a process to make a product	<input type="checkbox"/> Process the waste to recover or regenerate a usable product
<input type="checkbox"/> Use/reuse as a substitute for a commercial product	<input type="checkbox"/> Other (explain): _____

Company Name: U.S. Steel Corporation

Project Contact: Thomas J. O'Toole, P.E., Manager, Environmental Control **Phone:** 412-675-7380